

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: CORCHA, L.L.C.
5370 Kietzke Lane, Suite 207
Reno, Nevada 89511

Permit Number: NEV2000512

Description of Discharge

Location: Falcon Ridge Golf Course
Mesquite, Clark County, Nevada

Characteristics: The Mesquite Wastewater Treatment Facility will provide tertiary treated, denitrified disinfected effluent for reuse irrigation at Falcon Ridge. The effluent will be further aerated and disinfected by a Mazzei ozonation system before discharge into the irrigation storage lake which will provide irrigation water for spray irrigation of golf course fairway turf grasses and other landscape plant materials, as well as median landscape drip irrigation for native plant materials within the Arroyo Heights development proximal to the golf course. A separate potable water irrigation system is installed for irrigation of tees and greens. All reuse activities are to be conducted in accordance with the approved Effluent Management Plan, and permit conditions.

Flow: 1.50 MGD 30-Day Average Flow 3.00 MGD Daily Maximum Flow

Reuse Water Limitations:

BOD₅: 30 mg/l 30-Day average; 45 mg/l Daily Maximum
TSS: 30 mg/l 30-day average; 45 mg/l Daily Maximum
Fecal Coliform:* 2.2/100 ml 30 day average, 23/100 ml daily max.
Total Nitrogen - N: Monitor & Report
Total Phosphorus as P: Monitor & Report
Ammonia as N: Monitor & Report
Nitrate - N: Monitor & Report
pH Between 6.0 and 9.0 SU

* After ozonation and prior to irrigation storage lake.

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General: *The applicant intends to reuse tertiary treated, denitrified and disinfected reuse water provided by the City of Mesquite Wastewater Treatment Facility which, in turn will be further aerated and disinfected at the Falcon Ridge Golf Course. Application of the reuse water will be via spray irrigation on the golf course and via drip irrigation on the median landscape plantings in accordance with the permit conditions and the Effluent Management Plan (EMP).*

Receiving Water Characteristics: *Depth to groundwater in the area varies with elevation. A new municipal supply well which lies 1,100' west of the west margin of the Falcon Ridge course is screened at about 110', the static groundwater level. There is a thick clay confining layer above the water table which may cause artesian pressures. Water quality is good, with TDS in the 300 to 500 mg/l range. No adverse effects are expected to occur as a result of this effluent reuse.*

Procedures for Public Comment:

*The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review-Journal and Desert Valley Times** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the publication of the public notice. The comment period can be extended at the discretion of the Administrator.*

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to issue the proposed permit for a period of five (5) years.

Schedule of Compliance and Special Conditions

A final Effluent Management Plan (EMP) shall be submitted to the Division within 60 days of permit issuance. There are no special conditions.

Rationale for Permit Requirements

Required parameters are monitored to ensure effluent reuse requirements are maintained NAC 445A.275, 445A.276 and groundwaters of the State are protected.

*Prepared by: Icyl C. Mulligan
October 2000*